

East Retford  
Urban District Council.



ANNUAL REPORT

FOR

1909.

BY

A. E. MANNERS-SMITH,

MEDICAL OFFICER OF HEALTH.



RET FORD :

PRINTED BY WHARTON & Co., 6, GROVE STREET.

1910.

# To the Urban District Council of the Borough of East Retford.

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GENTLEMEN,

I have the honor to present to you my Annual Report for the year 1909.

The population of the Borough estimated to the middle of 1909 is 13698, showing an increase of 184 on the preceding year.

The Births for the year number 366, as against 331 in the preceding year, an increase of 35. The Birth Rate is 26.7 per thousand, the average for the past 10 years being 26.49.

The Deaths registered were 182 as against 167 in the preceding year, an increase of 15, making the Death Rate for the year 13.28.

**Infant Mortality.** The number of deaths of children under 1 year of age again numbers 31, the same as in the preceding year, the rate per thousand Births registered being 84.7, as against 93.6 in 1908. This number was made up by deaths from the following causes: 9 cases of premature birth, 3 of measles, 2 of diarrhoea, 4 of pneumonia, 3 of convulsions, 2 of wasting diseases, 3 of congenital defects, 1 gastro enteritis, 1 tuberculous meningitis, 1 case of suffocation from overlying, and 2 deaths from other causes.

In view of the general rate of Infant Mortality throughout the County, the local Death Rate in respect of these Infants—84.25 per 1000 Births registered, may be considered satisfactory. On referring to the Annual Report of the County Medical Officer, for the year 1908, I find that East Retford with a Death Rate of 93 per 1000 Births in that year was the lowest with the exception of two of the Urban Districts, so that we may assume that for the year just ended our position may be even better. It is only fair to regard this marked improvement as the result of the excellent work done by the Ladies' Health Association, and their energetic Health Visitor.

**Medical Inspection of School Children.** The Inspections have been carried out in accordance with the scheme of the Local Education Authority, and as this matter is the subject of a Special Report I do not propose to deal further with it here.

**Infectious Diseases.** An Epidemic of Measles visited the Borough during the Summer and Autumn, and the Elementary Schools were closed under my direction for varying periods.

**Notifiable Infectious Diseases.** There were 43 cases notified during the year, this, although a slight increase on 1908, is not in any way an excessive number for the population of the Town. These cases were distributed amongst the various parishes as follow: 9 from East Retford 8 from North Retford, 22 from Ordsall, and 4 from West Retford.

**Scarlet Fever.** There were 15 cases of Scarlet Fever, all of them, more or less, of a mild type. Of this number 11 cases were treated at the Isolation Hospital. In every instance the patient recovered.

**Diphtheria and Membranous Croup.** Nine cases were notified, one died.



**Typhoid Fever.** Only 3 cases were reported during the year. In this complaint the disinfecting and removing of the excreta is undertaken by the Sanitary Authority.

## NON-NOTIFIABLE DISEASES.

**Measles.** As already stated, a serious epidemic occurred during the year which I regret to state accounted for 11 deaths, 3 of these being children under 1 year of age.

**Whooping Cough.** There has been a certain amount of whooping cough prevalent, and in 3 cases death resulted.

**Diarrhœa.** I am pleased to be able to state that there have been comparatively few cases, the deaths numbering only 4, two being children under 1 year of age. A cool Summer such as was experienced in 1909 invariably tends to diminish the number of children attacked by this disorder.

## OTHER DISEASES.

**Cancer.** The deaths from Cancer were 8, as against 11 in each of the two preceding years.

**Tubercular Diseases.** There were 5 deaths from Phthisis, and 7 from other Tuberculous Diseases, making 12 in all. This represents a decrease of 9 on each of the two preceding years.

Only three cases of Pulmonary Tuberculosis were notified during the year under the statutory provision which requires that all cases under the care of the Poor Law Medical Officer shall be notified.

One of these cases having proved fatal, steps were duly taken to thoroughly disinfect the bedding, &c. used by the deceased person.

**Small Pox Hospital.** As no cases have occurred during the year, there has been no necessity to utilise this Institution.

**Retford Hospital.** 12 deaths occurred in the Hospital during the year, 5 of residents, 7 of non-residents.

**Union Workhouse.** 20 deaths were reported from the Union Workhouse, 7 from the Rural District, and 13 from the Borough.

**Nuisances.** Any action taken under this heading is referred to in the accompanying report on work done in the Borough Surveyor's and Sanitary Inspector's Department.

I have received many complaints of disagreeable smells, and other inconveniences arising from the practice of keeping pigs in close proximity to dwelling-houses. I am of opinion that steps should be taken to bring this state of affairs to an end, and would respectfully suggest that the Council should frame byelaws to deal with the evil. I have already pointed out that besides the disagreeable and disgusting smell arising from pig styes, they constitute a danger to the health of the public, in that they afford suitable breeding places for the common house fly, which is now known to be one of the chief factors in disease carrying.

**Dairies and Cowsheds.** The new regulations came into force in July, 1909, and they will do a great deal to improve the conditions under which dairy cows are kept.

**Elementary Schools.** It was found necessary to close all the schools, owing to epidemic of Measles.

BOROUGH OF EAST RETFORD.

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**The Factory and Workshops Act,  
1901.**

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*Cannon Square,  
East Retford,  
March 15th, 1910.*

GENTLEMEN,

The following is my Report for the year 1909.

During the year 1909, 79 inspections of workshops were made.

**Defects found.** 10 cases of defective sanitary accommodation, and 13 cases of other nuisances, making a total of 23 defects found.

I received 6 lists of outworkers during the year.

All dwellings of outworkers were inspected and found in a satisfactory condition.

There are 86 workshops on the register for the Borough.

There have been no legal proceedings during the year.

I am, Gentlemen,

Your obedient servant,

A. E. MANNERS-SMITH.

*To the Urban District Council,  
East Retford.*



# Vital Statistics.

TABLE I. VITAL STATISTICS OF WHOLE DISTRICT DURING 1909 AND PREVIOUS YEARS.

Year.	Population estimated to Middle of each Year.			Births.		Total Deaths Registered in the District.				Deaths of Residents registered in Public Institutions beyond the district.				Nett Deaths at all ages belonging to the District.
	1	2	3	Rate.*	Under one year of age.		At all ages.		Deaths of Non-residents registered in Public Institutions in the district.	Deaths of Residents registered in Public Institutions in the district.	Deaths of Non-residents registered in Public Institutions beyond the district.			
					Number.	Rate per 1,000 Births registered.	Number.	Rate.*				Number.	Rate.*	
1899..		11343	352	31.03	51	144.8	178	15.69	21	10	0	168	14.81	
1900..		11432	347	30.35	58	167.01	203	17.75	31	17	0	186	16.27	
1901..		12385	344	27.77	43	125.0	186	15.01	24	9	1	178	14.37	
1902..		12563	330	26.26	41	124.21	163	12.97	30	12	1	152	12.1	
1903..		12741	361	28.33	43	119.11	159	12.48	25	13	0	146	11.45	
1904..		12919	279	21.59	48	172.08	175	13.54	23	11	0	164	12.69	
1905..		13066	348	26.63	33	94.82	207	15.84	37	11	4	200	15.3	
1906..		13218	359	27.15	43	119.7	206	15.5	21	11	3	198	14.97	
1907..		13350	284	21.27	28	98.59	152	11.38	21	10	10	152	11.38	
1908..		13514	331	24.5	31	93.6	185	13.7	45	18	7	167	12.3	
Averages for years 1899—1908..		12653	334	26.49	42	125.89	181	14.39	28	12	3	171	13.56	
1909..		13698	366	26.7	31	84.7	192	14	32	14	4	182	13.28	

\*Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this Table.

Area of District in acres (exclusive of area covered by water), 4498. Total population at all ages, 12340. Number of inhabited houses, 2707. Average number of persons per house, 4.55,—at the Census of 1901.

VITAL STATISTICS—continued. TABLE II.

Names of Localities	1 EAST RETFORD.				2 WEST RETFORD.				3 NORTH RETFORD.				4 ORDSALL.			
	Population esti- mated to middle of each year	Births regis- tered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births regis- tered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births regis- tered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births regis- tered	Deaths at all Ages	Deaths under 1 year
Year	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
1899 ..	3456	92	50	12	829	23	13	2	2492	87	38	10	4556	150	67	27
1900 ..	3458	102	52	17	832	13	15	4	2492	90	48	13	4650	142	71	24
1901 ..	3436	81	40	7	782	19	20	7	2934	81	52	13	5233	163	66	16
1902 ..	3436	67	35	9	782	14	12	2	2,77	93	53	15	5368	156	52	15
1903 ..	3436	92	38	12	782	13	13	1	3020	8	51	20	5503	158	44	9
1904 ..	3436	77	48	16	782	17	18	2	3063	69	44	10	5638	116	54	20
1905 ..	3470	88	54	6	782	18	19	1	3101	100	62	14	5713	142	65	12
1906 ..	3512	98	47	10	782	15	15	4	3149	99	51	6	5775	147	85	23
1907 ..	3544	72	41	9	783	14	13	1	3174	71	46	3	5849	127	53	15
1908 ..	3493	81	53	13	804	14	6	0	2908	81	55	7	5373	155	53	11
Averages of years 1899 to 1908 ..	3468	85	46	11	794	16	14	2	2931	87	50	11	5367	146	61	17
1909 ..	3609	90	53	7	793	11	9	0	3252	102	50	12	6044	163	70	12



VITAL STATISTICS—continued. TABLE III.

Cases of Infectious Disease notified during the year 1909.

Notifiable Disease.	Cases notified in whole district.						Total Cases notified in each Locality.				No. of Cases removed to Hospital from each Locality.				
	At all Ages.	At Ages—Years.					1 E	2 W	3 N	4 O H W	1	2	3	4	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65									65 and up-wards
Small-pox ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Diphtheria ..	9	..	2	4	..	3	2	2	3	..	..	..	..	..	
Membranous Group ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Erysipelas ..	12	1	1	9	7	3	1	2	8	..	..	..	..	..	
Scarlet Fever	15	..	4	..	1	1	4	2	6	..	..	..	..	..	
Typhus fever..	..	..	..	..	..	..	2	..	2	..	..	..	..	..	
Enteric fever..	4	..	..	..	3	..	..	..	..	..	..	..	..	..	
Relapsing fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Continued fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Puerperal fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Plague ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Pulmonary Tuberculous	3	..	..	..	1	3	..	..	3	..	..	..	..	..	
Totals ..	43	1	7	13	4	15	9	4	8	22	..	..	..	..	

The Isolation Hospital is "Arlington House," New Street, Retford. The Small-pox Hospital is in North Retford.

VITAL STATISTICS—*continued.* TABLE IV.

Causes of, and Ages at, Death during Year 1909.

*East Retford Urban District.*

Causes of Death.	Deaths at the subjoined ages of "Residents," whether occurring in or beyond the district.							Deaths at all ages of "Residents" belonging to local- ities, whether occurring in or be- yond the district.				Total deaths whether of Residents or non Resid- ents in Public Institu- tions in the District.
	All Ages.	Under 1.	1 and under 5.	5 and under 15	15 and under 25	25 and under 65.	65 and upwards	East Retford.	West Retford.	North Retford.	Ordsall.	
1	2	3	4	5	6	7	8	9	10	11	12	13
Small Pox -	...	...	...	...	...	...	...	...	...	...	...	...
Measles -	11	3	6	1	...	1	...	1	...	1	9	...
Scarlet Fever -	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough -	3	...	3	...	...	...	...	1	1	...	...	...
Diphtheria and Membranous Croup -	2	...	...	2	...	...	...	...	...	2	...	...
Croup -	...	...	...	...	...	...	...	...	...	...	...	...
Fever { Typhus	...	...	...	...	...	...	...	...	...	...	...	...
Enteric -	...	...	...	...	...	...	...	...	...	...	...	...
Other continued	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza -	1	...	...	...	...	...	1	1	...	...	...	...
Cholera -	...	...	...	...	...	...	...	...	...	...	...	...
Plague -	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa -	4	2	2	...	...	...	...	3	...	1	...	...
Enteritis -	1	1	...	...	...	...	...	1	...	...	...	...
Puerperal Fever -	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas -	...	...	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases -	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	5	...	...	...	1	4	...	2	...	2	1	...
Other Tubercular Diseases -	7	1	3	3	...	...	...	3	...	1	3	...
Cancer, Malignant Disease -	8	...	...	...	...	6	2	1	1	...	6	...
Bronchitis -	6	...	1	...	...	2	3	2	...	3	1	...
Pneumonia -	12	4	4	...	1	2	1	2	1	5	4	...
Pleurisy -	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs -	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholism {	4	...	...	...	...	4	...	2	...	1	1	...
Cirrhosis of Liver {	...	...	...	...	...	...	...	...	...	...	...	...
Venereal Diseases -	9	9	...	...	...	...	...	1	...	4	4	...
Premature Birth -	...	...	...	...	...	...	...	...	...	...	...	...
Diseases and Accidents of Parturition -	1	...	...	...	...	1	...	...	...	...	1	...
Heart Diseases -	16	...	...	1	1	11	3	9	2	1	4	...
Accidents -	3	1	...	...	...	1	1	1	...	1	1	...
Suicides -	3	...	...	...	...	2	1	1	...	...	2	...
All other causes -	86	10	2	...	2	17	55	22	4	28	32	...
All causes -	182	31	21	7	5	51	67	53	9	50	70	...

VITAL STATISTICS—*continued.* TABLE V.**INFANTILE MORTALITY DURING THE YEAR 1909.***Deaths from stated Causes in Weeks and Months under One Year of Age.*

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under 1 Year.
Common Infectious Diseases	Small-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Chicken-pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Measles	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	3
	Scarlet Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Diphtheria : Croup	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Whooping Cough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diarrhoeal Diseases	Diarrhoea, all forms	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	2
	Enteritis	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
	Gastritis, Gastrointestinal Catarrh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wasting Diseases	Premature Birth	-	7	1	1	-	-	-	-	-	-	-	-	-	-	-	-	9
	Congenital Defects	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	3
	Injury at Birth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Want of Breast-milk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Atrophy, Debility, Marasmus	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	2
Tuberculous Diseases	Tuberculous Meningitis	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
	Tuberculous Peritonitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Tabes Mesenterica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other Tuberculous Diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Causes	Erysipelas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rickets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Meningitis (not Tuberculous).	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Convulsions	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	3
	Bronchitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Laryngitis	-	-	-	-	-	-	-	1	-	-	-	1	-	1	1	-	4
	Pneumonia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Suffocation, Overlaying	-	-	-	-	-	-	1	-	-	-	1	1	-	-	-	-	1
	Other Causes	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	2
		9	2	1	-	-	3	1	1	1	3	2	4	-	2	1	1	31

District of East Retford Borough. Births in the year:—legitimate, 338 ;  
 illegitimate, 28. Deaths from all Causes at all Ages, 182.

Deaths in the year of legitimate infants, 27 ; illegitimate, 4.

Population, estimated to middle of 1909, 13698.



## BOROUGH OF EAST RETFORD.

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A report on some of the work of the Borough  
Surveyor's and Sanitary Inspector's Departments.

To accompany the Medical Officer's Report for 1909.

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GENTLEMEN,

Considerable progress in Sanitary work  
has been made as the following statistics show :

Inspections made principally in connection with drainage and conversion of privies to waterclosets, entailing a considerable amount of work in test- ing and searching for defects and including fac- tories, workshops, bakehouses, slaughter-houses, cowsheds, and milkshops.	}	1101
Further inspections and tests during the progress of drainage and conversion works.	}	
Inspections of new building.	}	

### DRAINAGE AND CONVERSION PROGRESS.

No. of houses connected with new sewers        .....    203

also Lodging House, Moorgate; Cottage Hospital Dispen-  
sary; Northern Rubber Works; Congregational  
Church Schools; Wesleyan Schools; Wesleyan  
Mission Room; Ordsall Village School; St.  
Saviour's Schools; Lee's Tanneries; Workhouse  
(completion).

Sewage drains laid, approved and tested	miles	2 $\frac{1}{5}$
Rainwaters drains .....	,,	$\frac{1}{2}$
No. of sewage gulleys .....		292
,, rainwater gulleys .....		16
,, disconnections .....		82
,, air inlets .....		10
,, ventilating shafts .....		99
,, inspecting chambers .....		240
,, w.c.s. connected .....		255
,, privies abolished .....		111
,, pail closets abolished .....		66
,, old drains destroyed .....	yards	110

Year.	Houses connected
1902 .....	367
1903 .....	229
1904 .....	215
1905 .....	313
1906 .....	252
1907 .....	332
1908 .....	251
1909 .....	203
	<hr/> 2162 <hr/>

Total houses within drainage area Dec. 31, 1909	2795
Total connection to Dec. 31st, 1909 ... ..	2162
Houses yet to be connected .....	633

Other matters attended to: houses and bedding and other articles disinfected and cleansed, bakehouses cleansed and whitewashed, abatement of nuisances caused by overcrowding, keeping swine, storage of manure and other refuse, stopped drains.

**Dairies, Cowsheds, and Milkshops.** The Sanitary and Highways Committee have considered reports of the Medical Officer and myself on many cowsheds in the Borough. In accordance with the Committee's instructions, occupiers, and in some cases, owners have been communicated with. Some occupiers claim that No. 8 of the regulations does not apply to their cowsheds, because their cows are habitually grazed on grass land during the greater part of the year, and when not so grazed are habitually turned out during a portion of each day.

**Lodging Houses.** Three applications received to register premises as Common Lodging Houses were not granted on the ground that the premises were not reasonably capable of being made fit for use as Common Lodging Houses.

**Schools.** Drains of all the schools under the Education Authority have been inspected and flushed.

**Building Progress.** 36 plans approved for a new street, 82 houses, 9 alterations and additions to buildings, 2 temporary buildings, 2 factory and workshop extensions, mission room, dispensary, and 6 other buildings.

**Certificates** issued for 32 new houses fit for human habitation. **Other Buildings erected:** 11 additions and alterations, 1 temporary building, 3 factory extensions, mission room, dispensary, skating rink, and 4 other buildings.



## Rainfall in 1909.

Taken at the Sewage Disposal Works, Bolham.  
Height of gauge 74 feet above approximate mean water  
at Liverpool. Height of gauge above ground, one foot.

Month.	Inches.	No. of Days Rain fell.
January .....	1.32	14
February.....	0.63	7
March .....	2.96	20
April .....	1.63	14
May .....	1.31	13
June .....	3.65	20
July .....	4.05	18
August .....	4.30	16
September .....	2.44	19
October .....	2.96	27
November .....	0.27	10
December .....	4.69	23
Total in year.....	30.21	201

On each of 14 days in the above was recorded only 0.01.

Heaviest rainfall in one day, 1.71 on August 17th.  
It seldom exceeds an inch in one day.

The year 1909 was abnormal as regards rainfall, the mean annual rainfall for Retford is 22 inches.

Snow fell on one day in January, on two days in February, on five days in March, and three days in December.

I am, Gentlemen,

Your obedient servant,

Market Square,

J. D. KENNEDY.

February 21st, 1910.

